

Tentative Schedule of Lectures and Examinations

Date		Topic
W	Jan 18	Introduction: A problem from statistical inference
F	Jan 20	Sample Spaces
M	Jan 23	σ -fields
W	Jan 25	Probability function
F	Jan 27	Probability function (continued)
M	Jan 30	Independent events
W	Feb 1	Conditional probability
F	Feb 3	Continuous and discrete random variables
M	Feb 6	Cumulative distribution function (cdf)
W	Feb 8	Probability density function (pdf)
F	Feb 10	Probability mass function (pmf)
M	Feb 13	Expectation of a random variable
W	Feb 15	Review
F	Feb 17	Exam 1
M	Feb 20	Expectation of a function of a random variable
W	Feb 22	Variance
F	Feb 24	Moments
M	Feb 27	Moment generating function (mgf)
W	Feb 29	Examples of random variables
F	Mar 2	Examples of discrete distributions
M	Mar 5	Examples of continuous distributions
W	Mar 7	Joint distribution functions
F	Mar 9	Joint distribution functions (continued)
M	Mar 12	Spring Recess!
W	Mar 14	Spring Recess!
F	Mar 16	Spring Recess!
M	Mar 19	Marginal distributions
W	Mar 21	Marginal distributions (continued)
F	Mar 23	Problems
M	Mar. 26	Review

W	Mar 28	Exam 2
F	Mar 30	<i>Cesar Chavez Day (no class)</i>
M	Apr 2	Independent random variables
W	Apr 4	mgf convergence theorem
F	Apr 6	The Central Limit Theorem
M	Apr 9	Simple random samples
W	Apr 11	Mean and variance of random samples
F	Apr 13	Sampling distribution
M	Apr 16	Conditional distribution
W	Apr 18	Conditional expectation
F	Apr 20	Covariance and correlation
M	Apr 23	Covariance and correlation (continued)
W	Apr 25	Review
F	Apr 27	Exam 3
M	Apr 30	Review
W	May 2	Review
Th	May 10	Final Examination